

**\*RETURN TO FMF - LOCATION 7540**

HC  
PAT REV

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>100410282</u>	Prepared by <u>BCB</u>	Tracking Number <u>          </u>	
Examiner-GAU <u>PHAM, M</u>	Date <u>2-19-04</u>	Week Date <u>          </u>	
<u>1724</u>	No. of queries <u>1</u>		

Attn: Chief Draftsperson

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION	MESSAGE <u>SHEETS/FIGS</u>
<ul style="list-style-type: none"> <li>a. Page Missing</li> <li>b. Text Continuity</li> <li>c. Holes through Data</li> <li>d. Other Missing Text</li> <li>e. Illegible Text</li> <li>f. Duplicate Text</li> <li>g. Brief Description</li> <li>h. Sequence Listing</li> <li>i. Appendix</li> <li>j. Amendments</li> <li>k. Other</li> </ul>	<p align="center"><u>1) figure 3 has faint data and inconsistent lines. please resolve</u></p>
<b>CLAIMS</b> <ul style="list-style-type: none"> <li>a. Claim(s) Missing</li> <li>b. Improper Dependency</li> <li>c. Duplicate Numbers</li> <li>d. Incorrect Numbering</li> <li>e. Index Disagrees</li> <li>f. Punctuation</li> <li>g. Amendments</li> <li>h. Bracketing</li> <li>i. Missing Text</li> <li>j. Duplicate Text</li> <li>k. Other</li> </ul>	<p align="right"><u>Thanks</u> initials <u>BCB</u></p> <p><b>RESPONSE</b> <u>(SEE ATTACHMENT)</u></p> <p align="center"><u>- CORRECTED DRAWING</u></p>
	initials <u>SZ</u>

FIG.3

	Step Name	Time (sec)	Press (mtorr)	HIVAC	BsAr	SiH <sub>4</sub>	DCS	4Ar	5Ar	WF <sub>6</sub>	VALVE OPEN
1	P/D	20	0	E	50(v)	0	0	50(v)	50(v)	0	UV1,4,5 WV1,4,5 LSV
2	Heat Up	20	300	D	50	0	0	500	500	0	UV1,4,5 DV1,4,5 LSV
3	Heat Up	30	300	D		0	0	500	500	0	UV1,4,5 DV1,4,5 LSV
4	SiH <sub>4</sub> vent	3	300	D	50	300(v)	0	500	500	0	UV1,2,4,5 DV1,4,5 WV2 LSV
5	SiH <sub>4</sub> flush	40	300	D	50	300	0	500	200	0	UV1,2,4,5 DV1,2,4,5 LSV
6	P/D	20	0	E	0	0	0	0	0	0	
7	DCS vent	5	0	E	50(v)	0	50(v)	50(v)	50(v)	0	UV1,3,4,5 WV1,3,4,5 LSV
8	DCS flush	10	120	D	100	0	106	500	300	5.5(v)	UV1,3,4,5,6 DV1,3,4,5 WV6 LSV
9	Nucleation	12	120	D	100	0	106	500	300	5.5	UV1,3,4,5,6 DV1,3,4,5,6 LSV
10	Bulk	20	120	D	100	0	185	500	300	13	UV1,3,4,5,6 DV 1,3,4,5,6 LSV
11	DCS Post	3	120	D	100	0	175	500	300	0	UV1,3,4,5 DV1,3,4,5 LSV
12	Ar Purge	15	120	D	100	0	0	500	5000	0	UV1,4,5 DV1,4,5 LSV
13	P/D	15	0	E	0	0	0	0	0	0	
14	SiH Post	3	120	D	100	300	0	500	200	0	UV1,2,4,5 DV1,2,4,5 LSV
15	P/D	30	0	E	0	0	0	0	0	0	

Note:

MFC1,2,3,4 and MFC5,6,8 are divided into GAS BOX A and B.

GAS flowing out of GAS BOX A and B joins one GAS LINE and is again divided into INNER and

OUTER NIDDLE VV.

INNER NIDDLE VV is FULL OPENDE, OUTER NIDDLE VV is controllde in the range of 15 to 25mm to maintain UNIFORMITY

(v) is vented through VENT VALVE.

HIVAC(E) is pumped by turbo pump, puming (1) is dry-pumped by dry-pump without turbo-pump.